

CLAIMS

We claim:

1. An elevator car assembly comprising:
5 a frame; and
a platform adjustably supported upon said frame, said platform being selectively adjustable relative to said frame to equally distribute a weight of said assembly.
- 10 2. The elevator car assembly as recited in claim 1, wherein said frame includes a plank beam that is attached to an upright secured near each end of said plank beam and comprising at least one brace mounted between said platform and said upright, said brace stabilizing said platform in a selected position relative to said plank beam.
- 15 3. The elevator car assembly as recited in claim 2, wherein said brace includes a slot and a corresponding one of said uprights supports a member that is received in said slot, said member operative to secure said brace in a selected position relative to said upright.
- 20 4. The elevator car assembly as recited in claim 2, wherein said brace comprises a steel sheet.
5. The elevator car assembly as recited in claim 2, comprising a plurality of
25 braces mounted in a substantially V-shaped orientation between said platform and said upright.
6. The elevator car assembly as recited in claim 5, wherein said braces are secured to said upright by a single fastener.

7. The elevator car assembly as recited in claim 5, wherein each of said braces includes a slot and a fastener at least partially received through said slots to secure said braces to said upright.

5 8. The elevator car assembly as recited in claim 2, wherein said brace includes a slot near an end of said brace that cooperates with said platform such that said end is adjustable relative to said platform to alter a position of said platform relative to said plank beam.

10 9. The elevator car assembly as recited in claim 8, wherein said brace includes a second slot near an opposite end of said brace that cooperates with said upright such that said opposite end is adjustable relative to said upright to alter a position of said platform.

15 10. The assembly of claim 1, wherein the platform is adjustable relative to the frame in at least a first direction within a plane of said platform and in a second direction that is not parallel to said plane.

20 11. The assembly of claim 1, including a plurality of fixed length braces securing said platform in a selected position relative to said frame.

12. An elevator car frame assembly comprising:
a first upright;
a second upright;
a horizontal member secured between said first upright and said second upright;

5 and

a platform at least partially adjustably supported upon said horizontal member, at least one brace adjustably securing said platform to said first upright.

13. The elevator car frame assembly as recited in claim 12, wherein said brace
10 comprises a slot and including a fastener that is at least partially received through said slot to secure said brace to one of said platform or said first upright.

14. The elevator car frame assembly as recited in claim 13, wherein said brace
15 comprises a second slot and including a second fastener that is at least partially received through said second slot to secure said brace to the other of said platform or said first upright.

15. The elevator car frame assembly as recited in claim 12, comprising a
20 plurality of fixed-length braces adjustably mounted to said platform and said uprights.

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16. The elevator car frame assembly as recited in claim 12, wherein said
platform has a plurality of layers separated by a plurality of isolation pads, said isolation
pads having an equal weight distribution thereon.

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17. A method of assembling a portion of an elevator car assembly comprising the steps of:

(1) placing a platform upon a plank beam; and

5 (2) adjusting a position of the platform relative to the plank beam to selectively distribute the platform weight over the plank beam to thereby balance the car assembly.

18. A method as recited in claim 17, wherein the frame includes at least one
10 brace extending between the platform and an upright secured to the plank beam and step (2) comprises adjusting a position of the brace to thereby adjust the platform position.

19. A method as recited in claim 17, comprising securing a cab to the platform
and subsequently adjusting the position of the platform with respect to the plank beam.
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20. A method as recited in claim 17, including supporting the car assembly in
a hoistway and subsequently adjusting a position of the platform relative to the plank
beam to thereby level the assembly within the hoistway.
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